

1       **52372/LTR/B600**

WHAT IS CLAIMED IS:

5           1.    A method for rejecting at least one particular  
interference frequency component from an input frequency  
spectrum, the method comprising:  
              shifting the input spectrum in the frequency domain  
down by a first selected amount, thereby positioning the  
10   particular interference frequency component about DC, as a  
result of the shift;  
              canceling the shifted input spectrum in the region  
about DC in order to remove the particular interference  
frequency component from the input spectrum; and  
15           shifting the input spectrum in the frequency domain  
up by a second selected amount.

20

25

30

35